RURAL DISTRICT

OF

SOUTH SHIELDS.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1900.

SOUTH SHIELDS:
R. SIMPSON & SONS, PRINTERS, CHAPTER ROW.

1901.

Annual Report, 1900.

TO THE RURAL DISTRICT COUNCIL OF SOUTH SHIELDS.

GENTLEMEN,

My Annual Report for the year 1900 will give, in an abbreviated form, the work done during that time by myself and the two Sanitary Inspectors, for the maintenance of good health in the District.

As in my last Report, I have divided it into four headings:—

(1) Vital Statistics.
(2) Prevalence of Infectious Diseases, and the measures taken to prevent their spread.
(3) General Sanitation.
(4) Sanitary Requirements.

Attached to the Report will be found Tables I., II., III., IV., filled up according to the directions of the Local Government Board, and under "General Sanitation" will be found information not mentioned before in my Reports concerning the District, as suggested by the Local Government Board in their "Memorandum as to Annual Reports of Medical Officers of Health." The estimated population of the District having been thoroughly revised, the averages and statistics will vary slightly since 1896 from former Reports.

VITAL STATISTICS.

Vital Statistics.

The Area of the District in Acres is 12,369.

The estimated population to the middle of 1900 is 16,050.

The general Death Rate of the District is 13·3 per 1,000 of the population.

The Zymotic Death Rate is 0·6.

The Death Rate from Phthisis, 0·6.

The Respiratory Rate, 2·6.

The Birth Rate is 27·2.

The Infant Mortality (under one year of age) is altogether 72 cases.

In reckoning up the Statistics, the Population and Deaths which have occurred in the Harton Workhouse and the Jarrow Fever Hospital and the Denes Hospital are omitted.

The estimated Population of each District is as follows:—

	Population.	Death Rate.	Zymotic Death Rate.
(*a*) Boldon	2,750	14·5	0·7
(*b*) Boldon Colliery	3,700	13·2	1·3
(*c*) Whitburn	4,000	14·5	0·0
(*d*) Harton	5,000	11·8	0·6
(*e*) Hedworth and Monkton	600	15	1 6

The Death Rate from Phthisis and Respiratory Rate is as follows:—

	Phthisis.	Respiratory Rate.
(*a*) Boldon	1·4	2·5
(*b*) Boldon Colliery	0·5	2·1
(*c*) Whitburn	0·5	3·2
(*d*) Harton	0·4	2
(*e*) Hedworth and Monkton		5

PREVALENCE OF INFECTIOUS DISEASES.

During this month 11 cases were notified to me, of these 8 were Erysipelas, 2 Enteric Fever, and 1 Scarlet Fever. January

6 cases were notified, excluding 2 cases of Enteric Fever from the Union Workhouse, 1 Erysipelas, and 5 Scarlet Fever. February.

9 cases were notified, 2 Erysipelas, 2 Enteric Fever, 4 Scarlet Fever, and 1 Puerperal Fever. March.

7 cases were notified, excluding 3 cases of Enteric Fever from the Union Workhouse, 5 Erysipelas, and 2 Scarlet Fever. April

13 cases were notified, excluding 2 cases notified from the Union Workhouse, 1 Erysipelas, 2 Enteric Fever, 8 Scarlet Fever, and 2 Diphtheria. May.

10 cases were notified, 2 Erysipelas, 2 Enteric Fever, and 6 Scarlet Fever. June.

6 cases were notified, 1 Erysipelas, 4 Scarlet Fever, and 1 Membranous Croup. July.

5 cases were notified, 1 Enteric Fever, and 4 Scarlet Fever. August.

7 cases were notified, 2 Erysipelas, 2 Enteric Fever, and 3 Scarlet Fever. September.

9 cases were notified, 3 Enteric Fever, 4 Scarlet Fever, and 2 Puerperal Fever. October.

5 cases were notified, 2 Enteric Fever, and 3 Scarlet Fever. November.

3 cases were notified, 1 Enteric Fever, and 2 Scarlet Fever. December.

Summary. The number of cases of Enteric Fever reported in the district is less than in the years 1899 and 1898, 17 cases this year as against 29 in the year 1899, and 40 in the year 1898. Of these 17 cases, Boldon furnishes 2, Boldon Colliery 9, Whitburn 5, and Harton 1. Last year 22 cases were reported from Boldon Colliery, as against 9 this year. The wet summer and autumn has probably been the cause of the diminution in the number of cases of Enteric Fever, but the two causes I mentioned last year in my Annual Report still exist, viz.:—the non-removal of patients to a Fever Hospital, and the insanitary condition of the ground between the houses, and the middens in many cases. No Small-pox case has been reported.

91 cases of Infectious Diseases occurring in the District have been reported this year as against 96 cases in the year 1899, and 151 cases in the year 1898.

The usual means to prevent the spread of Infectious Diseases have been used, such as the disinfection of houses and clothing by fumigation. Bedding which is not too much soiled is stoved at the Borough Fever Hospital, and that which is very much soiled is burnt.

Only 4 cases of Infectious Diseases have been removed during the year to the Infectious Diseases Hospital, one, a case of Enteric Fever from West Boldon, and 3 Scarlet Fever cases from Harton.

Infectious Diseases Hospital. An Infectious Diseases Hospital is now in course of erection in a field on the Sunderland Road about ¾ of a mile from East Boldon. It is for the use of the whole district, and should be completed about the middle of the year 1901.

91 cases of Infectious Diseases have been notified during the year 1900, distributed as follows:—

(*a*) Boldon 18
(*b*) Boldon Colliery 27
(*c*) Whitburn 15
(*d*) Harton 31

GENERAL SANITATION IN THE BOLDON, BOLDON COLLIERY, HARTON TOWNSHIP, AND MONKTON DISTRICTS.

Several Complaints were received about a deposit of household refuse in the Cleadon Lane Brickyard Pond, and the blowing about into the roads and hedges of the filthy papers, etc., therefrom by the wind. I reported the matter to the Council, and the deposit of this rubbish was stopped for some time. It was afterward allowed to be resumed on the condition that the contractor, Mr. Jos. Wilson, of East Boldon, should not deposit any refuse containing fœcal or vegetable matter, and that the papers, etc., should be removed from the hedges, and also that as the filling of the pond proceeded, that the surface should be covered by a layer of soil. These conditions have been carried out, except that an insufficient amount of soil has been spread on the surface. As the pond, however, is being gradually filled up, the deposit is gradually removed further from the road, thus lessening the nuisance. Boldon.

I complained of the nuisance at the Boldon Colliery Crossing, owing to the N.E. Railway sending trucks containing town refuse for the use of the farmers. A meeting was arranged with a representative of the Railway Company, and although the Council did not see their way to stopping the sending of the manure, matters have been arranged to lessen the nuisance as far as possible, and instructions given to the receivers of the manure to remove it as quickly as possible, and to disinfect the depot with lime, etc., as soon as the removal has been completed. Boldon Colliery

I reported on the dirty condition of the yard at "The Square," West Boldon, the property of Mrs. Menzies, and reported that it should be paved. The owner has arranged to have the yard excavated to a depth of 4 West Boldon.

inches, and covered with the same thickness of clean ashes, and also to repair the houses, the roofs of which are in a very bad state.

Bogmire'sFarm West Boldon.

I reported certain defects in the farm-buildings at the farm, but as the milk-trade is not carried on here at present, the carrying out of my suggestions are not so important.

Fenwick's Row, Boldon Colliery

I reported on the insanitary condition of many of the houses in this row, owing to the damp condition of the flooring.. Nothing has yet been done.

Well's Row, Boldon Colliery

Many of the Ash-pits in this row are in a bad state owing to the floor being below the level of the outside ground, and consequently being very wet in the bottom. When cleaned out, the contents of these ash-pits have to be thrown into the street before being removed, and give rise to a most offensive smell. Ash-closets should replace the existing structures. The same remarks apply to the privies in Cross Row.

Boldon Colliery

Part of the Paving at the Colliery was also reported as being defective, and has since been repaired.

East Boldon.

Two Houses near East Boldon Station, occupied by Messrs. Tindle and Otto, owned by the Ecclesiastical Commissioners, and sublet to Mr. Dannate, were inspected by myself and the Sanitary Inspector. I reported that they were (1) without proper drainage, and (2) that the existing drains were untrapped, and empty into an adjacent stream, (3) the two gables were very damp owing to defective pointing; (4) the yard paving should be re-laid; (5) the privy and ashpit, especially Tindle's house, are very defective, and too close to the kitchen and pantry; (6) the walls and foundations of the house are very damp. Tindle's house is now empty, and repairs to both houses are being done.

I inspected and reported upon the Agent's house at West Boldon Station, N.E. Railway, occupied by W. Grisenthwaite. The drains were defective, and a catch-pit in connection with the drains was found to be some depth below the inlet and outlet pipes. This was beneath the office window and near the house door, and full of sewage. The walls of the house were very damp. Notice was served on the Railway Company, and the house has been taken down and a new one built according to plans approved by the Council. West Boldon.

At West Boldon the W.C. behind the Wheat Sheaf Inn, and the privies, and open ash-pit in the same yard were inspected and found to be insanitary. The W.C. was a wooden one, and without a flush, whilst there were three privies to one ash-pit, and the whole in a dilapidated state. The water from the privy roofs dropped into the ash-pit, which was in consequence very wet in the bottom. Notices were served, and the whole of these conveniences have since been cleared away, and a new W.C., built of brick, with a proper flush, and three new ash-closets substituted. Do.

The house at West Boldon occupied by John Cook, and owned by Mr. Robinson, of West Boldon, was inspected and found to be in an insanitary condition owing to a privy and large open ash-pit being too close to the dwelling house. The yard was sunk below the level of the adjoining ground and with very defective paving. The roof and spouts were in bad repair. The yard has now been laid with cement concrete, the privy and ash-pit abolished, and replaced by a new ash-closet. The roof and spouts have also been repaired. Do.

In June I reported that the houses in West Boldon, occupied by 5 tenants, and owned by Mr. Bowman, of South Shields, required attention. I reported that there was no spouting whatever to these buildings, and that Do.

there was insufficient privy accommodation. There is only one privy for 14 or 15 people, and there should be at least two more privies erected. The spouts have now been attended to, except at the house occupied by Martin.

West Boldon. The Square at the bottom of Boldon Bank. Houses owned by Mrs. Johnson, East Boldon.—I reported that there are five tenants in this square, and 16 persons with only one privy and ash-pit for their use. The latter is too close to the main road, and out of repair. There is plenty of room in the square for more privy accommodation, which should take the form of earth closets. Nothing has been done.

East Boldon. I have again to report that the house at Curlew Crooks, occupied by Mr. Robinson, is in an insanitary condition owing to a faulty drainage. A new gully should be inserted, the drain pipes re-laid, and a cesspool provided. Nothing has been done.

West Boldon. **Strother House Farm.**—Occupied by Mrs. Humphrey, and owned by J. H. Burns & Co., Newcastle-on-Tyne. I reported that a nuisance existed here owing to the privy and ash-pit being too close to the dwelling house. These conveniences have since been taken down and re-built further from the house.

East Boldon. No. 4, Ashbrooke Terrace, East Boldon, owner, Mr. Horner. This house was closed by me, owing to excessive dampness, due to the bad condition of the roof and spouts. Several alterations have been made at my suggestion, and the house is now habitable.

West Boldon. **St. Nicholas' Terrace,** house occupied by Adamson.—I reported that the privy required repairs, and they have now been done.

I reported that the house in tenements between the two railways near the Boldon Colliery Brickyard, occupied by Marsden and two others, was without any drainage. Drains should be put in and connected with a covered cess-pool. The owners are the Harton Coal Co. Nothing has been done. Boldon Colliery

Complaints have been received about surface water standing on the land between the railway and the Store Buildings, Boldon Colliery. I reported on the same, and the owner is, I believe, making arrangements to drain the water off the land. Do.

No. 13 and 14, Eleanor Terrace, West Harton.— The owner, Mr. M. J. Wilkinson, in compliance with a notice served some time ago, has cleared away the old privy and ash-pit, and built a new ash-closet. The notice also included Nos. 15 and 16, but the privies and ash-pit have not yet been replaced at these houses. Harton.

Nos. 4 and 5, Eleanor Terrace.—A new ash-closet has been put in here, in place of the old privy and ash-pit. Do.

L'Arcy Street, two houses owned by Mr. Rossiter, Pitt Street, Walker.—Owing to the rotten and dilapidated condition of the floors of these houses, notices were served on the owner, and the floors have since been re-laid. Do.

Green Lane, Nos. 40 to 45.—I reported on the bad state of the paving of these yards, and they have since then been taken up, and re-laid with cement concrete. Do.

Scott's Court, Green Lane.—In October I inspected several houses here, and reported to the Council. Repairs have now been done to the roofs and spouts, and the inside walls re-plastered where necessary. Do.

Simonside Vicarage, occupied by Mr. Swallow, and owned by the Rev. P. W. Williams.— The three w.c.'s are very defective and out of date. The soil-pipe from the upstairs w.c. goes down the inside of the house, instead of being carried directly to the external wall, and Do.

is not ventilated. The cellar is flooded at all times, and should be drained, if possible. The foundations of the houses are very damp. I understand that steps are now being taken to put in modern w.c.'s, and to drain the cellar.

Harton. During December I made a house to house inspection in the West Harton District. Nothing very serious was noticed, but several minor repairs are required, and in some of the terraces, especially Eleanor Terrace, ash-closets should replace the open ash-pit and privies now existing. A full report has been made to the District Council.

Do. In the Green Lane, the N.E. Railway Co. are now altering their houses, which have been complained of for some time.

Do. D'Arcy Street, Nos. 17, 19, 21, 35, 37, 39; owner Mr. Robson, South Shields.—The yards have been paved with cement concrete, and the old privies and ash-pits taken down, and two ash-closets built in each yard. This was done in compliance with a notice, which was served the previous year, and was allowed to stand over by arrangement. The whole of the houses in D'Arcy Street have now got ash-closets.

Do. No. 2, Tyne Terrace, owner Mr. Urwin.—A complaint was made about the very offensive smell in this house, and this was found to be due to the rain water in an underground cistern being polluted from a fried fish shop next door. The polluting source has now been remedied, and the underground cistern has been filled up, and an overhead cistern fixed outside.

Monkton. Some time ago Red Barnes' farm house, near Monkton, was reported as unsanitary. The owner has since built a new house here.

Inspector Young reports.—

That complaints have been received about the existence of a nuisance at the back of the premises occupied by Messrs. Wade and Sons, butchers, East Boldon. This was owing to an accumulation of butchers' refuse in a midden near the back lane, and liquid from the stable flowing into the lane. A notice was served on the owners and the nuisance removed.

A complaint was also made about stagnant water standing at the top of Brockley Terrace, Boldon Colliery. The Inspector reported and advised that the owners, Messrs. Lamb and Sons, brewers, Hetton, be asked to level the ground up with engine ashes, but it has not been done.

The drains of the Black Bull Inn, East Boldon, were found to be in an unsatisfactory condition. The drains have since been taken up and relaid.

Sewers.

To improve the ventilation of the sewers at Boldon Colliery, a **new Ventilating Shaft** has been fixed at the south end of the Store Houses.

The iron pipes of the Monkton sewer, where it crosses the stream near Springwell Paper Mills, was found to be leaking. Three of the pipes have been taken out, and replaced by new ones, and the retaining wall repaired.

At Harton Green Lane, two extra manholes have been put in, and two additional ventilating shafts put up.

At Scott's Court, owing to complaints being made of a smell arising from a manhole, a close cover has been put over it, and a new ventilating shaft put up.

At Fenwick's Row, Boldon Colliery, the sewer has been choked up. It has now been opened out and cleaned, and two additional manholes put in.

Two new flushing shafts have been put in at Jack's Terrace and Tyne Terrace, West Harton.

The Inspector reports :—

Flushing of Sewers.

That the flushing of the sewers during the year has been fairly well done, but not so often as is desirable, owing to the fact that the flushing van could not always be obtained when wanted. The reasons for this are—1st. That the van is now used for watering the roads. 2nd. The amount of time taken up in removing it from one place to another. It appears that all the work cannot be done with one van, and it will be advisable for the Council to purchase others, and so keep one in each district.

Scavenging.

The scavenging at West Boldon and Boldon Colliery has not been done satisfactorily during the year. Two of the contracts have been cancelled. At Harton complaints were made about bad scavenging, but this was due to illness on the part of the scavenger, but now the work is being done satisfactorily.

New Houses.

The number of houses built and occupied during the year is as follows :—

Boldon Parish	...	66
Boldon Colliery	...	16
Harton ...	...	34
Monkton ...	...	3

GENERAL SANITATION IN THE WHITBURN AND HARTON VILLAGE DISTRICTS.

Cleadon.

Farm at Cleadon occupied by Mr. Gibson, and owned by Mrs. Gibson, Derringham, Hull.

Repairs have been done here, but the stable and yard should be drained. The liquid refuse from these percolates through the walls into the public road, and then runs into the back village pond.

Holder House Farm, owners the Ecclesiastical Commissioners.—Nothing has been done to this farm, which is in a very bad state of repair. The walls are very damp, owing to the defective roofing and spouting. The two privies are in a dilapidated state. Cleadon.

Cleadon Hill Farm, owner Mrs. Gibson, Hull.—This farm requires repairs, as reported. Do.

Cleadon Meadows, owner Mr. Dale.—The drainage from this house should be connected with the main new sewer in Underhill Road, Cleadon. Do.

The Old Hall, Cleadon.—Two privies and a large covered ash-pit have been built for the cottages in the yard. Some more drainage, with an inspection chamber, ventilator, and disconnecting trap to carry away the waste water from the bath and W.C. have been put in. Do.

Farm at Cleadon, occupied by Mr. Doxford, owned by Mr. Dale.—This farm has been repaired, and the cow-byre re-roofed. Do.

Talbot's Property. — The privy is defective, and the yard paving requires attention. Nothing has been done. Whitburn.

Several ash-pits and privies have been converted into ash-closets. Do.

Carcases of beasts were washed ashore at Whitburn during the month of November, and the Inspector had them buried immediately. Do.

Farms at Harton Village, owned by the Ecclesiastical Commissioners, and tenanted by Mr. Colley.—This farm I reported as being in want of repairs. The spouts are defective, and the tank which receives the waste water from the whole of the buildings is overflowing close to the footpath leading into Stanhope Road. The cow-byres require more ventilation. Caldwell and Harton Village.

Caldwell and Harton Village. **House**, owned by Capt. Ross, and tenanted by Murphy.—This house is damp, and the spouts require attention.

Do. **House at Harton Village**, owned by Mr. Moore, and tenanted by Smith and Bell.—The privy and ash-pits are next to the house wall, which is a very insanitary state of affairs, and should be done away with.

Do. **House at Harton Village**, owned by Mrs. Myers, the Poplars, Westoe.—There is no ashpit to this house.

Do. **Houses at Harton Village**, owned by Mr. Rippon.—The ash-pit and privies are insanitary, and should be re-placed by three new ash-closets.

Harton Village. **Mr. Owen's Property.**—The walls of the rooms occupied by Spuch are damp, due to bad spouting.

Mr. M. Hall's Property.—The spout's require attention.

Caldwell. **Barker's Terrace.**—All these houses are in a very bad state of repair. The spouting is defective, the yards require repaving, and the large ash-pits and privies should be replaced by ash-closets. The walls require repointing. The whole of this terrace drains into an open ditch, and proper drainage should be provided.

Sewers. An old sewer at Harton Village, opposite the farm occupied by Mr. Dryden, has been taken up, and a new drain made, with the necessary junctions and manholes.

At Mr. Reay's property, Harton Village, a 6in. drain has been laid to drain a cellar, and connected with the above manhole.

The drains to Mr. J. M. Moore's property at Harton have been taken up and relaid.

A flushing shaft has been fixed at the high end of the Harton sewer, and part of the sewer taken up and re-laid.

The sewer opposite the Village School, Whitburn, has been cleaned out.

Nothing has been done to the defective gully in the North Road, Whitburn, opposite Spraggin's Lane, which has been reported upon. A trapped metal gully should be put in the place of the present one.

The outlet of the Marsden sewer has been cleaned out, and also the sewer at the Bents, Whitburn, close to the gasworks.

The following new sewers have been laid in the district :—

(*a*) An extension off the Cleadon Main Sewer.

(*b*) One along Mill Lane, Whitburn, to the Bede Estate.

Main drains have also been put in the Bede Estate, Whitburn, and house connections made to same.

At Harton Village all the sewers require more ventilating shafts.

The following houses are without drains :—

(*a*) Racecourse Cottages in the Cleadon House Estate.

(*b*) Bell's and Ellis's houses ; Dale's and Grieves's are without sewer connections.

The main sewers in this district have been regularly flushed, and disinfectants used to cess-pools, privies, ash-pits, and manholes.

The scavenging of this part of the district has been well attended to. Scavenging.

New Houses.

During the year 1900, 56 houses have been erected in this part of the district, distributed as follows :—

At Whitburn	...	...	35
At Cleadon...	...	...	19
At Harton Village...		...	2

35 of these are occupied.

Cowsheds and Dairies.

The cowsheds and dairies have been inspected from time to time, and are in a sanitary condition, with the exception of those referred to.

GENERAL SANITATION, ETC.

The South Shields Rural District may be roughly divided into the following portions.—

(*a*) Boldon and Boldon Colliery.

(*b*) Harton Township and Harton Village.

(*c*) Whitburn, including Marsden and Cleadon.

(*d*) Monkton and Hedworth.

The Rural District is flat and treeless, bounded on the North by South Shields and Jarrow, on the East by the sea, on the South by the Sunderland District, and on the West by Felling and Chester-le-Street Districts. The sub-soil is magnesian limestone, clay, and gravel. The House Accommodation generally speaking is insufficient. This is especially the case with regard to the villages of West Boldon, Boldon Colliery, and Whitburn, though in the latter place a good deal of building is now going on. The houses in the district are fit for habitation, and the greater part of them have sufficient open space around them. There are houses in the Green Lane, standing behind the Front Row, which are very much enclosed by surrounding buildings, which prevent the free access of air and sun, such as houses in Scott's Court, Isaac's Conrt, Harton Colliery, Oliver Court, and Bayfield Court, Green Lane.

Supervision over Erection of New Houses.—Before this year this work was done by the Sanitary Inspectors and the Surveyor, but now a Building Inspector has been appointed.

Sewerage and Drainage.—The sewerage and drainage of the district are sufficient for its needs, and the sewers and drains are in good condition. In Boldon, Boldon Colliery, Monkton, and Harton, the sewerage goes into the Tyne in three places, two enter the Tyne at Tyne Dock, and one near Jarrow. At Whitburn the sewerage is carried out to sea by iron pipes, beyond the low water mark.

Excrement Disposal.—The Rural District Council employ contractors to do this work, except at Monkton, where, owing to the small number of houses, it is considered advisable to allow the farmers in the district to remove it on to their land. Three contracts have been cancelled within the last two years, owing to bad work, but the scavenging at the present time is carried on satisfactorily. The ash-closets in the district are cleaned out twice a week, and the large open ash-pits should be cleaned out every alternate week. The refuse is removed in carts, and emptied on to agricultural land.

Water Supply.—The water supply is by public service. The Sunderland and South Shields Water Co. supply the whole district.

Its Source.—From wells which have been bored for, sunk, and then pumped from these into reservoirs, and distributed. The water supply is sufficient, wholesome, and, I believe, free from risks of pollution. The water is derived from Humbleton Hill, Stoneygate, Burdon, Seaton Bank Top, Thorpe, and Ryhope.

Places over which the Council have supervision.—Butcher-shops, dairies, cowsheds and milkshops, factories, and workshops.

Nuisances.—Nuisances are reported by the Medical Officer of Health and the Sanitary Inspectors to the Rural District Council, and the Clerk sends in the reports to the owners of the properties complained of.

Deposits of Refuse matter.

There are four deposits of ash-pit refuse in the Harton district, placed there by the Corporation of South Shields, and one in the Boldon district. They are situated as follows :—

(*a*) One large one about 36 yards from the highway in a field in the farm occupied by Fairless, of Long Loaning Farm, just outside the Harton boundary.

(*b*) One in a field adjoining Leam Lane, in Colwell's farm, about 36 yards from the road.

(*c*) One large one at Horsley Hill farm, close to the public footpath.

(*d*) One in a field on land tenanted by Thornton on the road between Harton Colliery and Harton Village.

All these deposits should be at least 100 yards distant from the road.

SANITARY REQUIREMENTS.

Further means for the flushing of sewers.

I am, Gentlemen,

Yours faithfully,

WM. ARMSTRONG, L.R.C.P., etc.,
Medical Officer of Health.

TABLE I.—FOR WHOLE DISTRICT.

Year.	Population estimated to Middle of each Year.	Births.		Deaths under One Year of Age.		Deaths at All Ages. Total.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	Deaths at All Ages. Nett.	
		Number.	Rate.*	Number.	Rate per 1,000 Births registered	Number.	Rate.*				Number.	Rate.*
1896	13730	417	30·3	72	172	195	14·2	165	2	—	193	14·05
1897	13975	414	28·1	60	144	179	12·8	140	3	4	180	12·8
1898	14740	449	30·4	76	162	206	13·9	238	6	—	200	13·6
1899	15290	461	30·1	87	188	248	16·2	164	5	1	244	15·9
Averages for years 1896-1899	14434	435	29·7	74	166·5	207	14	177	4	1	204	13·6
1900	16050	438	27·2	72	164	213	13·2	223	—	1	214	13·3

* Rates calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water). 12,369

Total population at all ages 12,742
Number of inhabited houses 2,252
Average number of persons per house... 5½
At Census of 1891.

TABLE II.

Names of Localities.	BOLDON.				BOLDON COLLIERY.				WHITBURN.				HARTON.				HEDWORTH AND MONKTON.			
Year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year
1896	2030	41	20	7	3340	125	51	22	2960	88	33	12	4830	148	84	27	570	25	7	4
1897	2080	52	24	4	3410	122	51	19	3040	105	35	11	4870	124	58	21	575	12	11	5
1898	2200	68	36	15	3550	109	55	19	3500	98	40	22	4910	153	70	18	580	16	5	2
1899	2300	59	28	6	3650	121	67	31	3800	104	54	14	4950	159	84	32	590	15	15	4
Average of years 1896 to 1899	2152	55	27	8	3487	119	56	23	3325	99	40	15	4890	146	74	24	579	17	9	4
1900	2750	71	38	12	3700	90	49	25	4000	100	58	16	5000	155	59	18	600	18	9	1

TABLE III.—Cases of Infectious Disease notified during the Year 1900.

Notifiable Disease.	Cases notified in Whole District.							Total Cases notified in each Locality.				No. of cases removed to Hospital from each Locality.	
	At all Ages.	At Ages—Years											
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	Boldon.	Boldon Colliery.	Whitburn.	Harton.	Boldon.	Harton.
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	..
Cholera...	...	...	..	...	..	...	...	...	...	...	...	...	...
Diphtheria	2	...	1	...	1	...	...	1	...	1	...	...	...
Membranous croup ...	1	...	1	...	...	...	...	...	...	...	1	...	...
Erysipelas	22	...	...	...	4	17	1	4	8	5	5	...	...
Scarlet fever	46	1	9	30	4	2	...	9	9	4	24	...	3
Typhus fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric fever	17	...	1	4	6	6	...	2	9	5	1	1	...
Relapsing fever ...	...	...	...	..	...	...	...	...	...	...	...	...	...
Continued fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever ...	3	..	...	...	2	1	..	2	1	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	..	...
Totals	91	1	12	34	17	26	1	18	27	15	31	1	3

TABLE IV.—Causes of, and Ages at, Death during Year 1900.

Causes of Death.	Deaths in whole District at subjoined ages.							Deaths in Localities (at all Ages).					Deaths in Public Institutions.
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Boldon.	Boldon Colliery.	Whitburn.	Harton.	Hedworth and Monkton.	
Small-pox	...	...	...	..	...	...	...	...	...	..	...	...	..
Measles	1	...	1	...	...	...	...	1	...	...	...	...	...
Scarlet Fever	1	...	1	...	...	...	...	...	...	...	1	...	1
Whooping-cough ...	4	2	2	...	...	...	...	...	2	...	1	1	2
Diphtheria and membranous croup.	...	...	...	...	...	..	..	...	...	...	...	..	...
Croup	1	...	1	...	...	...	...	...	...	...	1	...	...
Fever { Typhus ...	...	...	...	...	..	...	...	...	...	...	...	..	...
Fever { Enteric ...	2	...	..	1	1	...	...	...	2	...	...	...	4
Fever { Other continued	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic influenza ..	3	...	...	...	1	1	1	...	2	1	...	...	1
Cholera	...	...	..	..	...	...	...	...	...	...	...	...	..
Plague	...	...	...	..	..	...	...	..	...	...	...	...	...
Diarrhœa	...	...	...	...	...	...	...	...	...	...	..	...	4
Enteritis	13	10	..	...	...	2	1	1	6	3	3	...	5
Puerperal fever ...	2	...	...	...	1	1	...	1	1	...	...	...	...
Erysipelas	..	...	...	...	...	...	...	...	...	...	...	...	1
Other septic diseases..	...	...	...	...	...	...	...	...	...	...	...	...	1
Phthisis	10	..	1	2	3	4	...	4	2	2	2	...	30
Other tubercular diseases	16	8	8	..	...	...	...	1	5	5	5	...	3
Cancer, malignant disease	5	...	...	...	...	5	...	...	2	2	1	...	7
Bronchitis	19	5	2	...	...	4	8	1	4	4	8	2	16
Pneumonia	21	6	5	1	1	4	4	6	4	8	2	1	19
Pleurisy	1	...	...	...	...	1	...	...	..	1	...	...	...
Other diseases of Respiratory organs ...	1	...	...	...	...	1	...	...	...	...	1	...	...
Alcoholism } Cirrhosis of Liver } ...	5	...	..	...	..	5	...	1	..	3	1	...	4
Venereal diseases ...	...	...	...	...	...	...	..	...	...	...	...	...	2
Premature birth ...	15	15	...	...	...	..	...	1	7	5	2	...	1
Diseases and accidents of parturition ...	3	..	...	...	2	1	...	1	...	1	1	...	...
Heart diseases ...	13	2	1	...	1	6	3	2	3	3	4	1	27
Accidents	10	1	...	2	5	2	...	2	2	2	3	1	2
Suicides	1	...	...	...	...	1	...	...	...	...	1	...	1
All other causes ..	66	23	9	1	3	13	17	16	7	18	22	3	92
All causes	213	72	31	7	18	51	34	38	49	58	59	9	223